NETGEAR® PROSAFE®

ProSafe® 802.11g Wireless Access Point WG102

Data Sheet

Intelligent Networking Features for a Scalable, Secure Solution

NETGEAR's ProSafe 802.11g Wireless Access Point WG102 delivers the secure, reliable, high-performance wireless local area networks (WLANs) today's mobile workforce demands.

This powerful device provides the industry standard access to corporate network resources, email and the Internet and includes support for MBSSID/VLANs, to enable more granular access to the network. Fully compatible with IEEE 802.11g, (2.4 GHz), it can also be set for dynamic 108 Mbps 802.11g. With its robust security measures, simplified management and configuration, SNMP support, integrated IEEE 802.3af power over Ethernet (PoE), IntellilFi™ RF management technology and Wi-Fi certification, the WG102 brings standards-based enterprise-level functionality at a mid-market price.

Secure

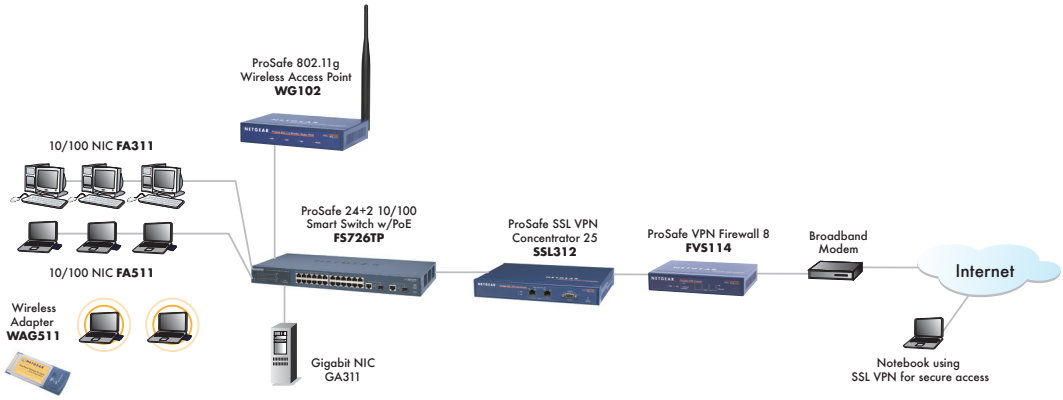
Complies with industry security standards for wireless data encryption, and user authorization. WPA2-Enterprise (802.11i) provides enhanced, interoperable wireless networking security. WPA2 and 802.1x support enables strong mutual authentication to ensure that only legitimate clients associate with corporate RADIUS servers. Supports MAC address authentication with 256-user access control list (ACL) and VPN pass-through. The WG102 provides support for multiple Basic Service Set Identifiers (BSSID) and virtual LANs (VLANs). You can configure combination of VLANS and BSSIDS to provide stronger or less restrictive access to the network according to your requirements. For example visitors could be given wireless access for the Internet, but could be excluded from any access to the internal network.

Dynamic

WG102 with integrated IntelliFi radio frequency (RF) management technology, enables a wireless network to self-optimize by intelligently choosing channels and dynamically adjusting the power levels to ensure coverage and avoid interference. IntelliFi creates an additional level of privacy by providing self-organizing micro cells for enterprises. An additional level of security is added when used with NETGEAR's IntelliFi-enabled client adapter, WAG511. In addition, the WG102 supports the ability to detect rogue access points and rogue stations.

Flexible

Cost-effective, compact, and simple to install and use. Integrated PoE support expands installation options by eliminating the need to locate near a power outlet. Wi-Fi certified and plenum-rated for appropriate placement above drop-down ceilings and under raised floors. Supports Simple Network Management Protocol (SNMP) and optimized for NETGEAR ProSafe Network Management System NMS100. Equipped with convenient Smart Wizard™ browser-based interface. Fitted with one powerful detachable 5 dBi antenna and compatible with NETGEAR's ProSafe 2.4 GHz antennas for expanded wireless capacity and range. Protected with a NETGEAR Lifetime Warranty.



24/7 TECHNICAL SUPPORT*

1-888-NETGEAR (638-4327)
Email: info@NETGEAR.com

NETGEAR PROSAFE LIFETIME WARRANTY

Technical Specifications

- **Wireless**
  - Standard: IEEE 802.11g 54 Mbps
  - Antennas: One (1) 5 dBi detachable 2.4 GHz
- **Physical Interfaces**
  - LAN Port: One (1) 10/100BASE-T Ethernet (RJ-45) port with Auto Uplink™ (Auto MDI-X) with IEEE 802.3af Power over Ethernet (PoE) support
  - Power adapter: Output 12V DC, 1.2A; plug is localized to country of sale
  - Four (4) LEDs: Power, test, 100 Mbps, Link/ACT, and WLAN 802.11g
  - Antenna Connector: One (1) reverse SMA
- **Network Management**
  - Remote configuration and management through Web browser
  - SNMP management supports private MIB
- **Advanced Wireless Features**
  - Point-to-point wireless bridge mode
  - Point-to-multipoint wireless bridge mode
  - Repeater mode
  - Adjustable Transmit Power Control (TPC) from 100 mW down to 0 mW
  - IntelliFi RF management functionality including auto power transmission, channel selection
- **Typical Maximum Power Output**
  - 802.11b mode, 1 to 11 Mbps +19 dBm
  - 802.11g mode, 6 to 24 Mbps +18 dBm
  - 802.11g mode, 36, 48 and 54 Mbps +17/16/16 dBm

Note: Maximum Tx varies based on country and/or region selection to ensure local regulatory compliance.

- **Receive Sensitivity**
  - **802.11b**

2 Mbps	-93 dBm
5.5 Mbps	-91 dBm
11 Mbps	-89 dBm

  - **802.11g**

6 Mbps	-91 dBm
9 Mbps	-90 dBm
12 Mbps	-89 dBm
18 Mbps	-87 dBm
24 Mbps	-84 dBm
36 Mbps	-81 dBm
48 Mbps	-77 dBm
54 Mbps	-75 dBm
108 Mbps	-73 dBm

- **Power over Ethernet Required**
  - 4.3W
  - Wi-Fi Protected Access (WPA2-Enterprise) and 802.11i
  - Block SSID broadcast
  - VPN pass-through support
  - MAC address filtering with access control lists – up to 256 users
  - 802.1x RADIUS support with EAP TLS, TTLS, PEAP
  - Ability to detect rogue access points and rogue stations
  - Ability to configure multiple BSSIDs and VLANs to provide more granular access to the network based upon user type
- **Standards, Safety and Electromagnetic Conformance**
  - IEEE 802.11g (2.4 GHz frequency band, DSSS modulation type)
  - IEEE 802.3af Power over Ethernet (PoE)
  - FCC Part 15 Subpart B and Subpart C
  - CE EN 60950-1 (2001), EN 301 489-17 V1.2.1 (2002), EN 301 489-1 V1.4.1 (2002), EN 300 328-1 (2001-12), EN 300 328-2 (2001-12), R&TTE Directive 99/5/EC, CISPR 22(B), AS/NZS 3548 (B)
  - Plenum rated
- **Physical Specifications**
  - Dimensions: (w x d x h) 14.1 x 10 x 2.7 cm (5.56 x 3.94 x 1.06 in)
  - Weight: 386 g (.85 lb)
- **Environmental Specifications**
  - Operating temperature: 0° to 40° C (32° to 104° F)
  - Operating humidity: 90% maximum relative humidity, non-condensing

Warranty

- Access point: NETGEAR Lifetime Warranty†
- Power supply: NETGEAR 3-year Warranty

ProSupport™ Service Packs Available

- **On Call 24 x 7**
  - PMB0331-100 (US)
  - PMB0331 (non-US)
- **Xpress HW**
  - PRR0331

Package Contents

- ProSafe 802.11g Wireless Access Point (WG102)
- One (1) 5 dBi detachable antenna
- Resource CD
- Power adapter
- Ethernet cable
- Installation guide
- Warranty/support information card

Antennas and Accessories

- ANT24O5 ProSafe 5 dBi Omni-directional antenna
- ANT2409 ProSafe 9 dBi Indoor/Outdoor Omni-directional Antenna
- ANT24D18 ProSafe 18 dBi Indoor/Outdoor Directional antenna
- Four (4) antenna cable lengths: 1.5, 3, 5, and 10m

NETGEAR Related Products

- FS108P ProSafe 8 Port 10/100 Desktop Switch with PoE
- FS116P ProSafe 16 Port 10/100 Desktop Switch with PoE
- WAG511 Dual Band 802.11a/b/g Wireless PC Card
- WG511T 108 Mbps Wireless PC Card
- WG311T 108 Mbps Wireless PCI Adapter
- WAG102 ProSafe Dual Band Wireless Access Point

Ordering Information

- North America: WG102NA
- Latin America: WG102-100LAS
- Europe - General: WG102IS
- Europe - UK: WG102UK
- Asia: WG102AU

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

†Lifetime warranty for product purchased after 05/01/2007. For product purchased before 05/01/2007, warranty is 3 years.